

HEALTHY FOOD SYSTEMS

Dragon Fruit Project Ventura County

Pitahaya Seminar 2014 Jose F. De Soto UCCE Ventura County


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Agriculture and Natural Resources
Cooperative Extension




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HEALTHY FOOD SYSTEMS

- Funded by the UC Thelma Hansen Fund
- Located at the MVP Ranch in Fillmore
- Initiated in October 2012



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GENERAL PROJECT GOALS:

- Assess performance of selected varieties or cultivars
- Determine specific water requirements
- Compare relative performance under protected environment (shade)
- Identify and catalog pests and diseases
- Develop cost and return study for establishment and commercial production


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- **Trial dimensions:** 10 rows 160 feet long, including two outside border rows
- **Experimental unit:** 10 linear feet
- **Experimental design:** randomized complete block design with 4 replications
- **Spacing:** 3 feet between plants, 8 feet between rows
- 10 different varieties/cultivars

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Pitahaya Project - MVP Ranch - General Layout

| | | | | | | | | | |
|-----------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|
| Delight | P.Graffitti | P.Graffitti | P.Graffitti | P.Graffitti | P.Graffitti | P.Graffitti | P. Graffitti | Lisa | Armando |
| Delight | Lisa | Lisa | Lisa | Lisa | Lisa | Lisa | Am Beauty | Delight | Armando |
| Delight | P.Graffitti | P.Graffitti | P.Graffitti | P.Graffitti | P.Graffitti | P.Graffitti | Delight | Am Beauty | Armando |
| Delight | Lisa | Lisa | Lisa | Lisa | Lisa | Lisa | Colombiana | P.Graffitti | Armando |
| Delight | P.Graffitti | P.Graffitti | P.Graffitti | P.Graffitti | P.Graffitti | P.Graffitti | Vald Roja | Colombiana | Armando |
| Delight | Lisa | Lisa | Lisa | Lisa | Lisa | Lisa | Lisa | Sin Espinas | Armando |
| Delight | P.Graffitti | P.Graffitti | P.Graffitti | P.Graffitti | P.Graffitti | P.Graffitti | Sin Espinas | Mexicana | Armando |
| Delight | Lisa | Lisa | Lisa | Lisa | Lisa | Lisa | Mexicana | Vald Roja | Armando |
| Vald Roja | Sin Espinas | Am Beauty | Sin Espinas | Sin Espinas | P.Graffitti | P.Graffitti | Vald Roja | P.Graffitti | San Ignacio |
| Vald Roja | Am Beauty | Sin Espinas | Am Beauty | Am Beauty | Lisa | Lisa | Lisa | Colombiana | San Ignacio |
| Vald Roja | Am Beauty | Am Beauty | Am Beauty | Am Beauty | Lisa | P.Graffitti | Sin Espinas | Sin Espinas | San Ignacio |
| Vald Roja | Sin Espinas | Sin Espinas | Sin Espinas | Sin Espinas | P.Graffitti | Lisa | P. Graffitti | Am Beauty | San Ignacio |
| Vald Roja | Am Beauty | Am Beauty | Am Beauty | Am Beauty | Lisa | P.Graffitti | Delight | Delight | San Ignacio |
| Vald Roja | Sin Espinas | Sin Espinas | Sin Espinas | Sin Espinas | P.Graffitti | Lisa | Am Beauty | Mexicana | San Ignacio |
| Vald Roja | Sin Espinas | Sin Espinas | Sin Espinas | Am Beauty | Lisa | P.Graffitti | Mexicana | Vald Roja | San Ignacio |
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What have we done so far?

- Completed field establishment
- Initiated monthly establishment evaluation
- Initiated variety flowering date and fruit setting
- Initiated yield data collection
- Initiated fertility baseline

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THANK YOU

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